

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P830423

Luminaire Tested: **OHBL-36SE-N-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-N-UNV-L930-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

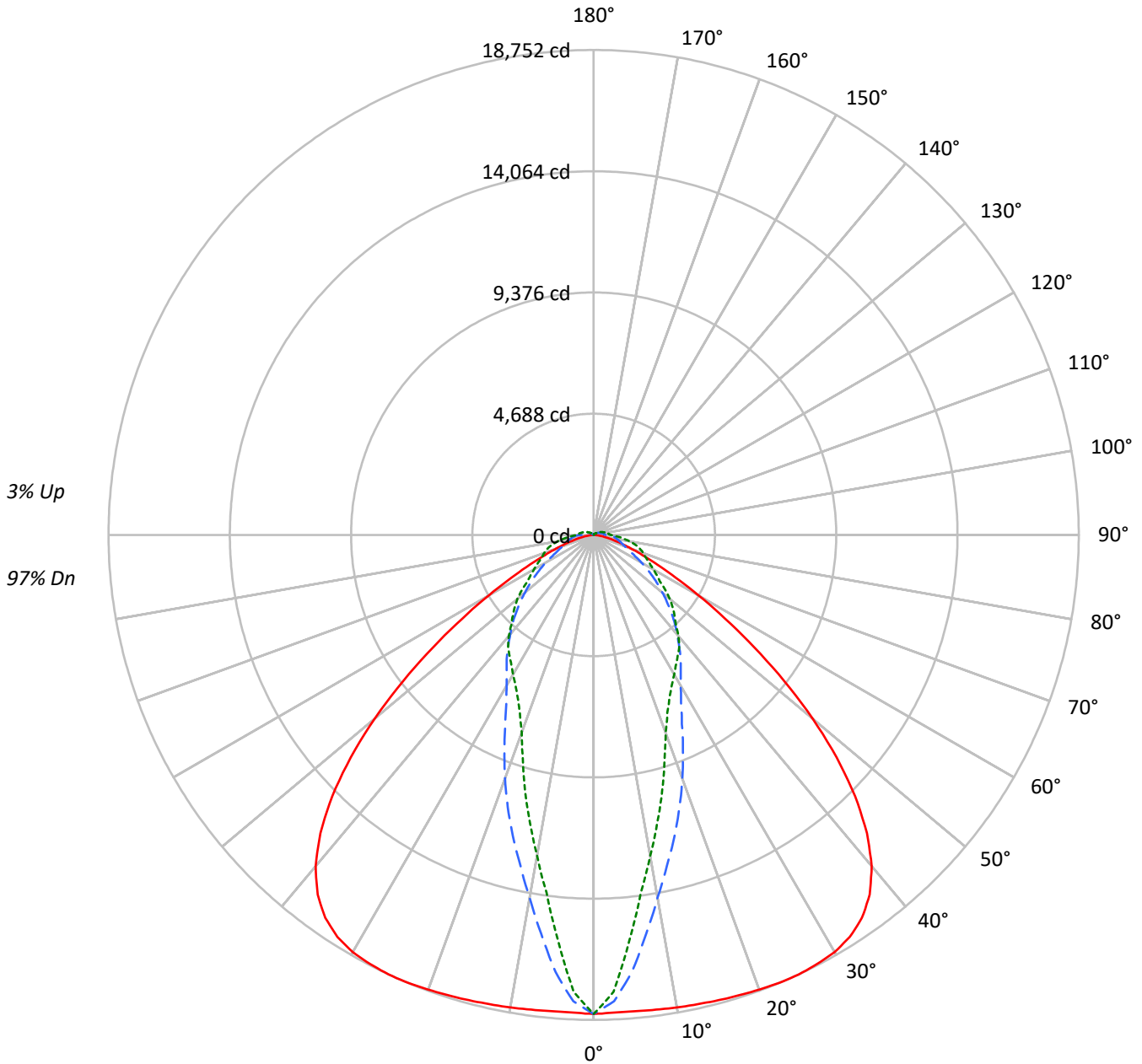
Lumens per Lamp: N/A
Luminaire Lumens: 27340.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29296	29296	29296
5°	29236	26691	24821
10°	29566	22493	19915
15°	30143	19246	16356
20°	30990	16281	13238
25°	32062	13482	11608
30°	33170	11621	10791
35°	33860	10597	10289
40°	33281	9578	9771
45°	30617	8662	9055
50°	25832	7659	8508
55°	19628	6715	7582
60°	13755	5766	7271
65°	9252	4973	7134
70°	6319	4677	7506
75°	4385	4837	8054
80°	3018	5383	8348
85°	1765	6794	8874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1559.4	5.7
10°-20°	3668.3	13.4
20°-30°	4598.2	16.8
30°-40°	4879.2	17.8
40°-50°	4411.6	16.1
50°-60°	3198.7	11.7
60°-70°	2007.3	7.3
70°-80°	1328.4	4.9
80°-90°	765.3	2.8
90°-100°	370.8	1.4
100°-110°	255.9	0.9
110°-120°	157.9	0.6
120°-130°	76.5	0.3
130°-140°	35.2	0.1
140°-150°	19.2	0.1
150°-160°	8.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9825.8	35.9
0°-40°	14705.0	53.8
0°-60°	22315.2	81.6
0°-90°	26416.2	96.6
90°-120°	784.6	2.9
90°-150°	915.5	3.3
90°-180°	924.0	3.4
0°-180°	27340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18524	18524	18524	18524	18524	
5°	18487	18013	16955	16169	15762	###
15°	18628	15183	12059	10725	10238	5283
25°	18752	11740	8075	7167	6939	8663
35°	18080	7805	5860	5677	5675	11239
45°	14293	4944	4247	4349	4424	10888
55°	7567	3064	2772	3006	3114	6837
65°	2706	1777	1604	2056	2285	2816
75°	836	957	1077	1673	1774	932
85°	146	397	788	1097	1007	175
90°	0	166	457	644	649	9
95°	7	116	402	546	571	6
105°	14	78	293	388	398	14
115°	19	55	198	247	252	19
125°	21	28	100	127	125	18
135°	18	21	44	69	69	14
145°	21	23	26	41	39	13
155°	21	26	28	30	26	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18524.3	18524.3	18524.3	18524.3	18524.3
2.5°	18485.5	18379.7	18050.0	17849.1	17679.8
5°	18487.3	18013.0	16955.2	16168.9	15761.6
7.5°	18513.7	17459.4	15553.6	14405.8	13958.0
10°	18554.3	16773.6	14245.4	13021.8	12604.0
12.5°	18584.3	16001.4	13094.1	11837.1	11378.7
15°	18628.3	15183.3	12059.2	10724.6	10238.0
17.5°	18668.9	14412.9	11036.7	9642.1	9100.8
20°	18709.4	13582.5	10014.1	8577.2	8131.2
22.5°	18748.2	12706.3	9016.2	7750.3	7445.3
25°	18751.7	11740.1	8074.7	7166.8	6939.3
27.5°	18705.9	10738.7	7311.3	6678.4	6537.4
30°	18626.6	9767.3	6719.0	6325.8	6225.3
32.5°	18429.1	8776.4	6260.6	5985.5	5927.4
35°	18080.0	7805.0	5860.4	5677.0	5675.2
37.5°	17530.0	6942.9	5426.7	5394.9	5433.7
40°	16717.2	6188.3	5015.9	5100.5	5100.5
42.5°	15632.9	5532.4	4643.9	4730.2	4707.3
45°	14293.0	4943.6	4247.2	4349.4	4423.5
47.5°	12739.8	4425.2	3841.7	4039.1	4141.4
50°	11050.8	3931.6	3471.4	3723.5	3839.9
52.5°	9280.7	3475.0	3110.0	3399.1	3492.6
55°	7567.0	3064.2	2771.5	3006.0	3113.5
57.5°	6015.5	2672.8	2440.1	2662.2	2884.3
60°	4680.9	2336.0	2128.0	2445.3	2667.5
62.5°	3575.5	2036.3	1835.3	2242.6	2464.7
65°	2706.3	1777.1	1604.4	2055.7	2284.9
67.5°	2039.8	1553.2	1424.5	1920.0	2143.9
70°	1532.1	1336.4	1280.0	1835.3	2036.3
72.5°	1131.9	1137.2	1165.4	1761.3	1914.7
75°	835.7	957.3	1077.2	1673.1	1773.6
77.5°	597.7	793.4	997.9	1567.3	1602.6
80°	414.3	647.0	915.0	1428.1	1398.1
82.5°	259.2	518.3	841.0	1274.7	1191.8
85°	146.3	396.7	788.1	1096.6	1006.7
87.5°	65.2	296.2	689.4	855.1	798.7
90°	0.0	165.7	456.6	643.5	648.8
92.5°	3.5	137.5	421.4	588.9	606.5
95°	7.1	116.4	402.0	546.5	571.2
97.5°	8.8	102.3	377.3	507.8	528.9
100°	10.6	91.7	347.3	467.2	484.8
102.5°	12.3	84.6	319.1	424.9	439.0
105°	14.1	77.6	292.7	387.9	398.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.6	59.9	220.4	278.6	287.4
115°	19.4	54.7	197.5	246.8	252.1
117.5°	21.2	47.6	172.8	216.9	218.6
120°	21.2	42.3	148.1	185.1	185.1
122.5°	21.2	35.3	123.4	153.4	151.6
125°	21.2	28.2	100.5	126.9	125.2
127.5°	19.4	22.9	81.1	105.8	104.0
130°	19.4	22.9	65.2	89.9	89.9
132.5°	17.6	21.2	52.9	77.6	77.6
135°	17.6	21.2	44.1	68.8	68.8
137.5°	17.6	22.9	37.0	59.9	59.9
140°	17.6	21.2	31.7	52.9	52.9
142.5°	19.4	21.2	28.2	45.8	45.8
145°	21.2	22.9	26.4	40.6	38.8
147.5°	21.2	24.7	26.4	35.3	33.5
150°	21.2	26.4	26.4	31.7	30.0
152.5°	21.2	26.4	26.4	30.0	28.2
155°	21.2	26.4	28.2	30.0	26.4
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	14.1	72.3	268.0	347.3	359.7
110°	15.9	65.2	245.1	310.3	322.6



(END OF REPORT)